

**Notice of Allowability**

Application No.

09/921,522

Examiner

Benny Q. Tieu

Applicant(s)

SUGAYA ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed July 18, 2005.
2. ☒ The allowed claim(s) is/are 23-28 (renumbered as 1-6, respectively).
3. ☒ The drawings filed on 02 August 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 7/18/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

***Reasons For Allowance***

1. The following is an examiner's statement of reasons for allowance: prior art of record fails to teach, or renders obvious, alone or in combination, a wireless transmission method for use with a wireless network comprising a plurality of wireless transmission apparatuses and on which a predetermined wireless transmission band is reserved and a wireless transmission is carried out, the method comprising the steps of: measuring a transmission error occurrence situation by a wireless transmission apparatus acting as a receiving station; and reporting a transmission error occurrence situation to an arbitrary wireless transmission apparatus among said plurality of wireless transmission apparatuses other than the wireless transmission apparatus acting as said receiving station based on said measured results, wherein reporting the transmission error occurrence situation includes reporting the transmission error occurrence situation to a wireless transmission apparatus acting as a reserving station of a band reserving transmission; or acting as a control station; or acting as a transmitting station of a band reserving transmission among said plurality of wireless transmission apparatuses, the wireless transmission apparatus acting as said reserving station of a band reserving transmission; or acting as said control station; or acting as said transmitting station, respectively, determining the modulation and convolutional coding ratio parameters used in carrying out said wireless transmission; and reserving a necessary wireless transmission band as directly claimed in claims 23-25. Prior art of record also fails to teach, or renders obvious, alone or in combination, a wireless transmission method for use on a wireless network constructed from a plurality of wireless transmission apparatus, the method comprising the steps of: reserving a predetermined wireless transmission band; carrying out a wireless transmission wherein a transmission error occurrence situation is

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measured by a wireless transmission apparatus acting as a receiving station among said plurality of wireless transmission apparatus, a modulation system and a convolutional coding ratio serving as parameters for use in transmission are determined based on the measured results and wherein an arbitrary wireless transmission apparatus other than the wireless transmission apparatus acting as the receiving station among said plurality of wireless transmission apparatus is informed of the modulation system and the convolutional coding ratio serving as the parameters thus determined; and reporting said modulation system and said convolutional coding ratio serving as the parameters thus determined to a wireless transmission apparatus acting as a control station among said plurality of wireless transmission apparatuses, and reserving a necessary wireless transmission band by the wireless transmission apparatus acting as the control station (as recited in claim 26); or reporting said modulation system and said convolutional coding ratio serving as the parameters thus determined to a wireless transmission apparatus acting as a control station among said plurality of wireless transmission apparatuses, and reserving a necessary wireless transmission band by the wireless transmission apparatus acting as the control station (as recited in claim 27); or reporting said modulation system and said convolutional coding ratio serving as the parameters thus determined to a transmitting station of a band reserve transmission among said plurality of wireless transmission apparatuses, and reserving a necessary wireless transmission band by said wireless transmission apparatus acting as the transmitting station (recited in claim 28).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

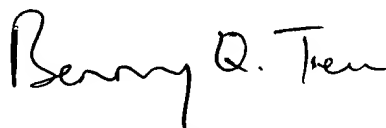
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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Q. Tieu whose telephone number is 571-272-7490. The examiner can normally be reached on Monday-Friday: 6:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on 571-272-7488. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Benny Q. Tieu  
Primary Examiner  
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